

Comparisons of Job Characteristics

Focus Occupation: Forest and Conservation Technicians (19-4093)

Associated Occupation: Firefighters (33-2011)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 58

Focus Occupation: Forest and Conservation Technicians (19-4093)

Associated Occupation: Firefighters (33-2011)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Public Safety and Security	6.9	15.5	10.0	<< Extensive education and/or training may be required
Mechanical	6.8	13.6	10.0	<< Extensive education and/or training may be required
Geography	3.9	11.6	13.3	> Current knowledge level is likely sufficient
Building and Construction	4.0	11.3	6.5	<< Extensive education and/or training may be required
Transportation	4.6	9.6	11.5	> Current knowledge level is likely sufficient
Telecommunications	3.9	8.8	5.8	<< Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 74

Focus Occupation: Forest and Conservation Technicians (19-4093)

Associated Occupation: Firefighters (33-2011)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Coordination	9.1	12.0	10.3	< A higher skill level may be required
Service Orientation	7.9	10.9	7.2	<< Extensive development of skills in this area may be required
Operation Monitoring	6.6	10.7	6.9	<< Extensive development of skills in this area may be required
Operation and Control	5.4	10.3	7.6	<< Extensive development of skills in this area may be required
Equipment Maintenance	3.5	8.2	4.3	<< Extensive development of skills in this area may be required

Troubleshooting	4.5	8.0	4.1	<<	Extensive development of skills in this area may be required
Repairing	3.4	7.3	3.8	<<	Extensive development of skills in this area may be required
Equipment Selection	3.3	6.7	5.3	<	A higher skill level may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 72			
Focus Occupation: Forest and Conservation Technicians (19-4093) Associated Occupation: Firefighters (33-2011)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Reaction Time	4.8	13.0	8.5	<<	Extensive improvement in abilities may be required
Static Strength	5.0	12.7	7.7	<<	Extensive improvement in abilities may be required
Dynamic Strength	3.5	11.8	6.5	<<	Extensive improvement in abilities may be required
Stamina	4.0	11.6	8.0	<<	Extensive improvement in abilities may be required
Speed of Limb Movement	3.2	10.0	7.0	<<	Extensive improvement in abilities may be required
Gross Body Equilibrium	3.2	9.7	6.4	<<	Extensive improvement in abilities may be required
Spatial Orientation	2.7	9.5	7.4	<	Some improvement in abilities may be required
Peripheral Vision	2.2	8.2	4.3	<<	Extensive improvement in abilities may be required
Night Vision	2.1	7.2	3.1	<<	Extensive improvement in abilities may be required
Sound Localization	2.2	6.4	3.3	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 83
Focus Occupation: Forest and Conservation Technicians (19-4093) Associated Occupation: Firefighters (33-2011)		
Work Activities	Exclusivity of Activity	
Communicate technical information	4	
Control and extinguish municipal or forest fires	89	
Determine best method for attacking fire	92	
Observe fire to note changing conditions	92	

Operate emergency fire or rescue equipment	80
Patrol or guard area or premises	76
Read maps	42
Use chain saws	78
Use fire suppression equipment	85
Use fire suppression techniques	89
Use forest fire protection methods	89
Use hazardous materials information	35
Use oral or written communication techniques	1
Use two-way radio or mobile phone	42
Work as a team member	36

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 74

Focus Occupation: Forest and Conservation Technicians (19-4093)
Associated Occupation: Firefighters (33-2011)

Tools and Technologies	Exclusivity
Aerial lifts	13
Audio and visual equipment	4
Business function specific software	1
Cameras	2
Computer data input devices	2
Computers	1
Content authoring and editing software	1
Data management and query software	1
Earth moving machinery	11
Fire fighting equipment	16
Garden tools	12
Geophysical and geotechnical instruments	23
Humidity and moisture measuring instruments	15
Igniters	47
Indicating and recording instruments	2
Industry specific software	1
Information exchange software	1
Lifting equipment and accessories	3
Meteorological instruments	16
Network applications software	1
Personal communication devices	2
Power tools	2
Prying and bending tools	10
Pumps	9
Safety and rescue vehicles	37

Sampling equipment	12
Specialized and recreational vehicles	17

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.